L Number	Hits	Search Text	DB	Time stamp
1	2	"10072201"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 15:58
2	1	1998-234594.NRAN.	DERWENT	2004/01/29 15:57
3	6694	goto-h\$.in. furata-t\$.in. tokune-t\$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:00
4	6686	(goto-h\$.in. furata-t\$.in. tokune-t\$.in.) not (hydrogen adj storage)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:23
5	8	(goto-h\$.in. furata-t\$.in. tokune-t\$.in.) not ((goto-h\$.in. furata-t\$.in. tokune-t\$.in.) not (hydrogen adj storage))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:07
6	6	5964965.pn. 6387152.pn. 6478844.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:08
7	1	(5964965.pn. 6387152.pn. 6478844.pn.) and carbon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:15
8	5	"079816"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:15
9	1	"079816" and fine	USPAT; US-PGPUB; EPO; JPO;	2004/01/29 16:15
10	7953	(hydrogen adj storage)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:23
11	1117546	(CARBON FULLERENE\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:36
12	1116150	((CARBON FULLERENE\$1)) NOT ((hydrogen adj storage))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:23
13	1396	((CARBON FULLERENE\$1)) NOT (((CARBON FULLERENE\$1)) NOT ((hydrogen adj storage)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 16:24

				T***
14	366	((CARBON FULLERENE\$1)) NOT (((CARBON	EPO; JPO;	2004/01/29
		FULLERENE\$1)) NOT ((hydrogen adj	DERWENT	16:24
		storage)))		
15	1	1997-040109.NRAN.	DERWENT	2004/01/29
				16:35
16	14259	(CARBON FULLERENE\$1 nanotube\$1	USPAT;	2004/01/29
		"nano-tube" "nano-tubes") near2 (carrier	US-PGPUB;	16:37
		support\$3)	EPO; JPO;	
			DERWENT	
17	14159	((CARBON FULLERENE\$1 nanotube\$1	USPAT;	2004/01/29
	14.00	"nano-tube" "nano-tubes") near2 (carrier	US-PGPUB;	16:37
		support\$3)) not ((hydrogen adj storage))	EPO; JPO;	
		Supported, mot (injuragen auj eterage),	DERWENT	
18	100	((CARBON FULLERENE\$1 nanotube\$1	USPAT;	2004/01/29
16	100	"nano-tube" "nano-tubes") near2 (carrier	US-PGPUB;	16:59
		support\$3)) not (((CARBON FULLERENE\$1	EPO; JPO;	10.00
		nanotube\$1 "nano-tube" "nano-tubes") near2	DERWENT	
			DERWENT	
		(carrier support\$3)) not ((hydrogen adj		
		storage)))	DEDWENT	2004/01/29
19	1	2003-075119.NRAN.	DERWENT	16:41
			DEDWENT	1
20	1	1998-136129.NRAN.	DERWENT	2004/01/29
			on.=	16:52
21	560735	alloy	USPAT;	2004/01/29
			US-PGPUB;	17:03
			EPO; JPO;	
			DERWENT	
22	1522241	particle\$1 grain\$1 granule\$1	USPAT;	2004/01/29
			US-PGPUB;	17:28
			EPO; JPO;	
			DERWENT	
23	26856	alloy near5 (particle\$1 grain\$1 granule\$1)	USPAT;	2004/01/29
			US-PGPUB;	17:04
			EPO; JPO;	
			DERWENT	
24	261	(alloy near5 (particle\$1 grain\$1 granule\$1))	USPAT;	2004/01/29
		and ((CARBON FULLERENE\$1 nanotube\$1	US-PGPUB;	17:04
		"nano-tube" "nano-tubes") near2 (carrier	EPO; JPO;	
1		support\$3))	DERWENT	
25	47	((alloy near5 (particle\$1 grain\$1 granule\$1))	USPAT;	2004/01/29
		and ((CARBON FULLERENE\$1 nanotube\$1	US-PGPUB;	17:04
		"nano-tube" "nano-tubes") near2 (carrier	EPO; JPO;	
		support\$3))) not hydrogen	DERWENT	
26	214	((alloy near5 (particle\$1 grain\$1 granule\$1))	USPAT;	2004/01/29
		and ((CARBON FULLERENE\$1 nanotube\$1	US-PGPUB;	17:22
		"nano-tube" "nano-tubes") near2 (carrier	EPO; JPO;	
		support\$3))) not (((alloy near5 (particle\$1	DERWENT	
		grain\$1 granule\$1)) and ((CARBON		
		FULLERENE\$1 nanotube\$1 "nano-tube"		
	ŀ	"nano-tubes") near2 (carrier support\$3))) not		
		hydrogen)		
1		1	1	

27	26679	carbon adj (base support\$3 carrier\$1	USPAT;	2004/01/29
		particle\$1 grain\$1 granule\$1 nanotube\$1	US-PGPUB;	17:46
		"nano-tube" "nano-tubes")	EPO; JPO;	
			DERWENT	
28	7537	graphite adj (base support\$3 carrier\$1	USPAT;	2004/01/29
		particle\$1 grain\$1 granule\$1 nanotube\$1	US-PGPUB;	17:23
		"nano-tube" "nano-tubes")	EPO; JPO;	
			DERWENT	
29	38725	carbon adj2 (base support\$3 carrier\$1	USPAT;	2004/01/29
		particle\$1 grain\$1 granule\$1 nanotube\$1	US-PGPUB;	17:25
		"nano-tube" "nano-tubes")	EPO; JPO;	
		·	DERWENT	
30	44612	(graphite adj (base support\$3 carrier\$1	USPAT;	2004/01/29
		particle\$1 grain\$1 granule\$1 nanotube\$1	US-PGPUB;	17:25
		"nano-tube" "nano-tubes")) (carbon adj2 (base	EPO; JPO;	
		support\$3 carrier\$1 particle\$1 grain\$1	DERWENT	
		granule\$1 nanotube\$1 "nano-tube"		
		"nano-tubes"))		
31	44120	((graphite adj (base support\$3 carrier\$1	USPAT;	2004/01/29
		particle\$1 grain\$1 granule\$1 nanotube\$1	US-PGPUB;	17:38
		"nano-tube" "nano-tubes")) (carbon adj2 (base	EPO; JPO;	,
		support\$3 carrier\$1 particle\$1 grain\$1	DERWENT	
		granule\$1 nanotube\$1 "nano-tube"		
		"nano-tubes"))) not (hydrogen near2 stor\$4)		
32	492	((graphite adj (base support\$3 carrier\$1	USPAT;	2004/01/29
		particle\$1 grain\$1 granule\$1 nanotube\$1	US-PGPUB;	17:25
		"nano-tube" "nano-tubes")) (carbon adj2 (base	EPO; JPO;	
		support\$3 carrier\$1 particle\$1 grain\$1	DERWENT	
		granule\$1 nanotube\$1 "nano-tube"		
		"nano-tubes"))) not (((graphite adj (base		
		support\$3 carrier\$1 particle\$1 grain\$1		
		granule\$1 nanotube\$1 "nano-tube"		
		"nano-tubes")) (carbon adj2 (base support\$3		
		carrier\$1 particle\$1 grain\$1 granule\$1		
		nanotube\$1 "nano-tube" "nano-tubes"))) not		
		(hydrogen near2 stor\$4))		

33	414	(((graphite adj (base support\$3 carrier\$1	USPAT;	2004/01/29
		particle\$1 grain\$1 granule\$1 nanotube\$1 "nano-tube" "nano-tubes")) (carbon adj2 (base	US-PGPUB; EPO; JPO;	17:26
		support\$3 carrier\$1 particle\$1 grain\$1	DERWENT	
		granule\$1 nanotube\$1 "nano-tube"		
		"nano-tubes"))) not (((graphite adj (base		
		support\$3 carrier\$1 particle\$1 grain\$1		
		granule\$1 nanotube\$1 "nano-tube"		
		"nano-tubes")) (carbon adj2 (base support\$3		
		carrier\$1 particle\$1 grain\$1 granule\$1		
		nanotube\$1 "nano-tube" "nano-tubes"))) not		
		(hydrogen near2 stor\$4))) not ("10072201"		
		((goto-h\$.in. furata-t\$.in. tokune-t\$.in.) not		
		((goto-h\$.in. furata-t\$.in. tokune-t\$.in.) not		
		(hydrogen adj storage))) ((5964965.pn.		
		6387152.pn. 6478844.pn.) and carbon) "079816" ("079816" and fine) (((CARBON		
		FULLERENE\$1 nanotube\$1 "nano-tube"		
		"nano-tubes") near2 (carrier support\$3)) not		
		(((CARBON FULLERENE\$1 nanotube\$1		
		"nano-tube" "nano-tubes") near2 (carrier		
		support\$3)) not ((hydrogen adj storage))))		
		(((alloy near5 (particle\$1 grain\$1 granule\$1))		
		and ((CARBON FULLERENE\$1 nanotube\$1		
		"nano-tube" "nano-tubes") near2 (carrier		
		support\$3))) not hydrogen))		
34	14	"510918" -	USPAT;	2004/01/29
			US-PGPUB;	17:27
			EPO; JPO;	
			DERWENT	0004/04/00
35	1	1992-359105.NRAN.	DERWENT	2004/01/29
36	1	6046094 we and corbon	HEDAT.	17:26 2004/01/29
30	•	6016981.pn. and carbon	USPAT; US-PGPUB;	17:27
		•	EPO; JPO;	17.27
			DERWENT	
37	11753	(hydrogen near2 stor\$4)	USPAT;	2004/01/29
		()	US-PGPUB;	17:30
			EPO; JPO;	
			DERWENT	
38	1370	((hydrogen near2 stor\$4)) and ((particle\$1	USPAT;	2004/01/29
		grain\$1 granule\$1) near5 (metal metallic	US-PGPUB;	17:31
		oxide v vanadium nb niobium ta tantalumn ti	EPO; JPO;	
		titanium zr zirconium hf hafnium la lanthanum	DERWENT	
		ce cerium mg magnesium "rare earth" ca		
		calcium al aluminum fe iron co cobalt ni		
		nickel cu copper mo molybdenum w		
		tungsten))		

39	219	(((hydrogen near2 stor\$4)) and ((particle\$1	USPAT;	2004/01/29
		grain\$1 granule\$1) near5 (metal metallic oxide v vanadium nb niobium ta tantalumn ti titanium zr zirconium hf hafnium la lanthanum ce cerium mg magnesium "rare earth" ca calcium al aluminum fe iron co cobalt ni nickel cu copper mo molybdenum w tungsten))) and ((graphite adj (base support\$3 carrier\$1 particle\$1 grain\$1 granule\$1 nanotube\$1 "nano-tube" "nano-tubes")) (carbon adj2 (base support\$3 carrier\$1 particle\$1 grain\$1 granule\$1 nanotube\$1 "nano-tube\$1"	US-PGPUB; EPO; JPO; DERWENT	17:32
40	102	(((hydrogen near2 stor\$4)) and ((particle\$1 grain\$1 granule\$1) near5 (metal metallic oxide v vanadium nb niobium ta tantalumn ti titanium zr zirconium hf hafnium la lanthanum ce cerium mg magnesium "rare earth" ca calcium al aluminum fe iron co cobalt ni nickel cu copper mo molybdenum w tungsten))) and ((graphite adj (base support\$3 carrier\$1 particle\$1 grain\$1 granule\$1 nanotube\$1 "nano-tube" "nano-tubes")) (carbon adj2 (base support\$3 carrier\$1 particle\$1 granule\$1 nanotube\$1 "nano-tube\$1"nano-tube\$1"	USPAT; EPO; JPO; DERWENT	2004/01/29 17:32
41	513	(hydrogen near2 stor\$4) near4 (particle\$1 grain\$1 granule\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:39
42	191265	(particle\$1 grain\$1 granule\$1) near3 (deposit\$3 formed coated coating)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:43
43	3736	((particle\$1 grain\$1 granule\$1) near3 (deposit\$3 formed coated coating)) with ((graphite adj (base support\$3 carrier\$1 particle\$1 grain\$1 granule\$1 nanotube\$1 "nano-tube" "nano-tubes")) (carbon adj2 (base support\$3 carrier\$1 particle\$1 grain\$1 granule\$1 nanotube\$1 "nano-tube" "nano-tubes")))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:43
44	209316	148/\$.ccls. 420/\$.ccls. 429/\$.ccls. 423/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 17:44

45	602	(((particle\$1 grain\$1 granule\$1) near3	USPAT;	2004/01/29
45	002	((deposit\$3 formed coated coating)) with	US-PGPUB;	17:44
1			EPO; JPO;	17:44
		((graphite adj (base support\$3 carrier\$1	DERWENT	
		particle\$1 grain\$1 granule\$1 nanotube\$1	DERWENT	
		"nano-tube" "nano-tubes")) (carbon adj2 (base		
		support\$3 carrier\$1 particle\$1 grain\$1		
		granule\$1 nanotube\$1 "nano-tube"	:	
		"nano-tubes")))) and (148/\$.ccls. 420/\$.ccls.		
		429/\$.ccls. 423/\$.ccls.)		
46	11226	carbon adj2 (base support\$3 carrier\$1)	USPAT;	2004/01/29
			US-PGPUB;	17:46
			EPO; JPO;	
			DERWENT	
47	2460	graphite adj2 (base support\$3 carrier\$1)	USPAT;	2004/01/29
			US-PGPUB;	17:46
			EPO; JPO;	
			DERWENT	
48	13434	(carbon adj2 (base support\$3 carrier\$1))	USPAŤ;	2004/01/29
		(graphite adj2 (base support\$3 carrier\$1))	US-PGPUB;	17:46
			EPO; JPO;	
			DERWENT	
49	136	((((particle\$1 grain\$1 granule\$1) near3	USPAT;	2004/01/29
		(deposit\$3 formed coated coating)) with	US-PGPUB;	17:51
		((graphite adj (base support\$3 carrier\$1	EPO; JPO;	
		particle\$1 grain\$1 granule\$1 nanotube\$1	DERWENT	
		"nano-tube" "nano-tubes")) (carbon adj2 (base		
		support\$3 carrier\$1 particle\$1 grain\$1		
		granule\$1 nanotube\$1 "nano-tube"		
		"nano-tubes")))) and (148/\$.ccls. 420/\$.ccls.		
		429/\$.ccls. 423/\$.ccls.)) and ((carbon adj2		
		(base support\$3 carrier\$1)) (graphite adj2		
		(base support\$3 carrier\$1)))		
50	6	("5677074" "5846670" "5958616"	USPAT	2004/01/29
		"6015635" "6309772" "6344291").PN.		17:49
51	5	("4546010" "5084144" "5284571"	USPAT	2004/01/29
		"5294232" "5538585").PN.		17:49
52	1	5514495.URPN.	USPAT	2004/01/29
				17:50
53	6	("4255466" "4278825" "4330387"	USPAT	2004/01/29
		"4382875" "4900642" "5043234").PN.		17:50
54	2052	429/223	USPAT;	2004/01/29
			US-PGPUB;	17:51
			EPO; JPO;	
			DERWENT	
55	1042	429/223 not (particle\$1 grain\$1 granule\$1)	USPAT;	2004/01/29
			US-PGPUB;	17:51
			EPO; JPO;	
			DERWENT	
56	1010	429/223 not (429/223 not (particle\$1 grain\$1	USPAT;	2004/01/29
		granule\$1))	US-PGPUB;	17:52
			EPO; JPO;	
			DERWENT	
57	26	429/223 not (429/223 not (particle\$1 grain\$1	EPO; JPO;	2004/01/29
· ·		granule\$1))	DERWENT	17:51
		J: 4:17	- FIVE FIA I	11101

58	984	(429/223 not (429/223 not (particle\$1 grain\$1	USPAT;	2004/01/29
		granule\$1))) not (429/223 not (429/223 not (US-PGPUB;	17:53
		particle\$1 grain\$1 granule\$1)))	EPO; JPO;	
			DERWENT	
59	783	(429/223 not (429/223 not (particle\$1 grain\$1	USPAT;	2004/01/29
		granule\$1))) not (429/223 not (429/223 not (JPO;	17:53
		particle\$1 grain\$1 granule\$1)))	DERWENT	
60	1378	54.ccls.	USPAT;	2004/01/29
			JPO;	17:53
			DERWENT	
61	559	((429/223 not (429/223 not (particle\$1	USPAT;	2004/01/29
		grain\$1 granule\$1))) not (429/223 not	JPO;	17:53
	1	(429/223 not (particle\$1 grain\$1 granule\$1))))	DERWENT	
		and 54.ccls.		
62	181902	(particles grains granules) near2 (form\$3	USPAT;	2004/01/29
		coat\$3 deposit\$3)	JPO;	17:54
			DERWENT	
63	174	(((429/223 not (429/223 not (particle\$1	USPAT;	2004/01/29
		grain\$1 granule\$1))) not (429/223 not	JPO;	17:56
		(429/223 not (particle\$1 grain\$1 granule\$1))))	DERWENT	
		and 54.ccls.) and ((particles grains granules)		
		near2 (form\$3 coat\$3 deposit\$3))		
64	29160	particles near2 deposit\$3	USPAT;	2004/01/29
			US-PGPUB;	17:57
			EPO; JPO;	
			DERWENT	
65	O	"particles are deposited"	USPAT;	2004/01/29
			US-PGPUB;	17:57
			EPO; JPO;	
			DERWENT	
66	12	(US-6016981-\$ or US-5389468-\$ or	USPAT;	2004/01/29
		US-6576363-\$ or US-6528201-\$ or	JPO;	17:57
		US-6344291-\$).did. or (JP-05266915-\$ or	DERWENT	
	*	JP-07153454-\$ or JP-04187503-\$ or		
		JP-11185745-\$ or JP-10012239-\$ or		
		JP-11111298-\$).did. or (JP-08298112-\$).did.		

L Number	Hits	Search Text	DB	Time stamp
1	1192884	carbon graphite	USPAT;	2004/01/29
		•	US-PGPUB;	18:53
			EPO; JPO;	
			DERWENT	
2	1206818	carbon graphite carbonaceous	USPAT;	2004/01/29
			US-PGPUB;	18:53
			EPO; JPO;	
			DERWENT	
3	32509	(carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29
		substrate carrier support base)	US-PGPUB;	18:54
			EPO; JPO;	
			DERWENT	
4	11753	hydrogen near2 stor\$4	USPAT;	2004/01/29
			US-PGPUB;	18:54
			EPO; JPO;	
i			DERWENT	
5	32275	((carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29
		substrate carrier support base)) not	US-PGPUB;	18:54
		(hydrogen near2 stor\$4)	EPO; JPO;	
			DERWENT	
6	3532876	metal metallic "metal alloy" alloy "metal	USPAT;	2004/01/29
		oxide" "metal oxides"	US-PGPUB;	18:55
			EPO; JPO;	
			DERWENT	
7	72631	(metal metallic "metal alloy" alloy "metal	USPAT;	2004/01/29
		oxide" "metal oxides") near2 (particles	US-PGPUB;	18:55
		granules grains)	EPO; JPO;	
			DERWENT	0004/04/00
8	1776	(((carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29 19:07
		substrate carrier support base)) not	US-PGPUB;	19:07
		(hydrogen near2 stor\$4)) and ((metal metallic	EPO; JPO;	
		"metal alloy" alloy "metal oxide" "metal	DERWENT	
	456	oxides") near2 (particles granules grains))	EDO: IDO:	2004/01/29
9	158	(((carbon graphite carbonaceous) near2 (core	EPO; JPO; DERWENT	18:55
		substrate carrier support base)) not (hydrogen near2 stor\$4)) and ((metal metallic	DERMENI	10.55
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains))		
10	1	1979-80852B.NRAN.	DERWENT	2004/01/29
'0	'	137 3-00032D.INIAIN		18:56
11	1	1999-245145.NRAN.	DERWENT	2004/01/29
••	· ·	1000 ETO ITOINIUM		18:56
12	1	2001-161330.NRAN.	DERWENT	2004/01/29
1-	•			18:58
13	1	1989-214757.NRAN.	DERWENT	2004/01/29
1				18:58
14	1	1982-35548E.NRAN.	DERWENT	2004/01/29
				18:59
15	1	2000-208115.NRAN.	DERWENT	2004/01/29
				19:01

16	1618	((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:07
		(hydrogen near2 stor\$4)) and ((metal metallic	EPO; JPO;	
		"metal alloy" alloy "metal oxide" "metal	DERWENT	
		oxides") near2 (particles granules grains)))		
		not ((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains)))		
17	822	(((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:17
		(hydrogen near2 stor\$4)) and ((metal metallic	EPO; JPO;	
		"metal alloy" alloy "metal oxide" "metal	DERWENT	
		oxides") near2 (particles granules grains)))		
		not ((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains))))		9
		not (pt platinum pd palladium)		
18	553	(((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:08
		(hydrogen near2 stor\$4)) and ((metal metallic	EPO; JPO;	
		"metal alloy" alloy "metal oxide" "metal	DERWENT	
		oxides") near2 (particles granules grains)))		
		not ((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains))))		
		not (pt platinum pd palladium)) not		
	1	electrode\$1		

19	269	((((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:12
1		(hydrogen near2 stor\$4)) and ((metal metallic	EPO; JPO;	
		"metal alloy" alloy "metal oxide" "metal	DERWENT	
		oxides") near2 (particles granules grains)))		
		not ((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains))))		
		not (pt platinum pd palladium)) not		
		((((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains)))		
		not ((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal	1	
		oxides") near2 (particles granules grains))))		
		not (pt platinum pd palladium)) not		
		electrode\$1)		
20	245	((((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:12
		(hydrogen near2 stor\$4)) and ((metal metallic	EPO; JPO;	
		"metal alloy" alloy "metal oxide" "metal	DERWENT	
		oxides") near2 (particles granules grains)))		
		not ((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains))))		
21	234	not (pt platinum pd palladium)) not conduct\$5 ((carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29
21	234		US-PGPUB;	19:17
		substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate	EPO; JPO;	13.17
		carrier support base)) not (hydrogen near2	DERWENT	
		stor\$4))		
22	53	(((carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29
		substrate carrier support base)) not ((carbon	US-PGPUB;	19:17
		graphite carbonaceous) near2 (core substrate	EPO; JPO;	
		carrier support base)) not (hydrogen near2	DERWENT	
		stor\$4))) and ((metal metallic "metal alloy"		
		alloy "metal oxide" "metal oxides") near2		
	-	(particles granules grains))		
23	21	((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:49
		(((carbon graphite carbonaceous) near2 (core	EPO; JPO;	
		substrate carrier support base)) not	DERWENT	
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) not (pt platinum pd palladium)		

				
24	32275	((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (hydrogen near2 stor\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:18
25	234	((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (hydrogen near2 stor\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:18
26	10	(((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (hydrogen near2 stor\$4))) and ((pvd sputte\$5 "physical vapor deposition") near5 (metal metallic "metal alloy" alloy "metal oxide" "metal oxides"))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:26
27	11	(WO-9918623-\$).did. or (BE-877414-\$ or DE-19744028-\$ or EP-1079452-\$ or EP-325567-\$ or EP-50300-\$ or EP-580560-\$ or EP-743092-\$ or EP-982412-\$ or JP-2002306581-\$ or JP-63262491-\$).did.	EPO; DERWENT	2004/01/29 19:19
28	20078	((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not hydrogen	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:20
29	12431	((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not hydrogen)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:20
30	12197	(((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not hydrogen)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (hydrogen near2 stor\$4)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:20
31	1046	((((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not hydrogen)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier support base)) not (hydrogen near2 stor\$4)))) and ((metal metallic "metal alloy" alloy "metal oxide" "metal oxides") near2 (particles granules grains))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 19:20

32	399	(((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:20
		(((carbon graphite carbonaceous) near2 (core	EPO; JPO;	
		substrate carrier support base)) not	DERWENT	
		hydrogen)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4))))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		(particles granules grains))) not (pt platinum		
		pd palladium "noble metal" "noble metals")		

33	392	((((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
		(core substrate carrier support base)) not	US-PGPUB;	19:48
		(((carbon graphite carbonaceous) near2 (core	EPO; JPO;	
		substrate carrier support base)) not	DERWENT	
		hydrogen)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		!
		support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4))))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		(particles granules grains))) not (pt platinum		
		pd palladium "noble metal" "noble metals"))		
		not (((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains)))		(X)
		((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) (((((carbon graphite carbonaceous)		
		near2 (core substrate carrier support base))		
		not (((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) not (pt platinum pd palladium))		
	}	((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((pvd sputte\$5		
		"physical vapor deposition") near5 (metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides"))) ((WO-9918623-\$).did. or		
		(BE-877414-\$ or DE-19744028-\$ or		
		EP-1079452-\$ or EP-325567-\$ or EP-50300-\$		
		or EP-580560-\$ or EP-743092-\$ or		
		EP-982412-\$ or JP-2002306581-\$ or		
	}	JP-63262491-\$).did.))		

34	0	((((((carbon graphite carbonaceous) near2	EPO; JPO;	2004/01/29
		(core substrate carrier support base)) not	DERWENT	19:21
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		hydrogen)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4))))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		(particles granules grains))) not (pt platinum		
		pd palladium "noble metal" "noble metals"))		
		not (((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains)))		
		((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) ((((carbon graphite carbonaceous)		
		near2 (core substrate carrier support base))	•	
		not (((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metall oxides") near2 (particles granules		
		grains))) not (pt platinum pd palladium))		
*]		((((carbon graphite carbonaceous) near2		
İ		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((pvd sputte\$5		
		"physical vapor deposition") near5 (metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides"))) ((WO-9918623-\$).did. or		
		(BE-877414-\$ or DE-19744028-\$ or		
	i	EP-1079452-\$ or EP-325567-\$ or EP-50300-\$		
		or EP-580560-\$ or EP-743092-\$ or		
ļ		EP-982412-\$ or JP-2002306581-\$ or		
į.		JP-63262491-\$).did.))		

35	336	(((((carbon graphite carbonaceous) near2	USPAT	2004/01/29
-		(core substrate carrier support base)) not		19:21
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		hydrogen)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4))))		
		and ((metal metallic "metal alloy" alloy		
1		"metal oxide" "metal oxides") near2		
		(particles granules grains))) not (pt platinum		
		pd palladium "noble metal" "noble metals"))		
		not (((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains)))		
		((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) (((((carbon graphite carbonaceous)		
		near2 (core substrate carrier support base))		
		not (((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) not (pt platinum pd palladium))		
		((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
	!	substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((pvd sputte\$5		
		"physical vapor deposition") near5 (metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides"))) ((WO-9918623-\$).did. or		
		(BE-877414-\$ or DE-19744028-\$ or		÷
		EP-1079452-\$ or EP-325567-\$ or EP-50300-\$		
		or EP-580560-\$ or EP-743092-\$ or	1	
		EP-982412-\$ or JP-2002306581-\$ or		,
		JP-63262491-\$).did.))		
36	35354	((pvd sputte\$5 "physical vapor deposition")	USPAT;	2004/01/29
		near5 (metal metallic "metal alloy" alloy	US-PGPUB;	19:27
		"metal oxide" "metal oxides"))	EPO; JPO;	
			DERWENT	
37	7098	((pvd sputte\$5 "physical vapor deposition")	USPAT;	2004/01/29
		with (carbon graphite carbonaceous))	US-PGPUB;	19:27
			EPO; JPO;	
	<u> </u>		DERWENT	

38	40600	(((pvd sputte\$5 "physical vapor deposition")	USPAT;	2004/01/29
		near5 (metal metallic "metal alloy" alloy	US-PGPUB;	19:27
		"metal oxide" "metal oxides"))) (((pvd	EPO; JPO;	
		sputte\$5 "physical vapor deposition") with	DERWENT	
		(carbon graphite carbonaceous)))		
39	38806	((((pvd sputte\$5 "physical vapor deposition")	USPAT;	2004/01/29
		near5 (metal metallic "metal alloy" alloy	US-PGPUB;	19:27
		"metal oxide" "metal oxides"))) (((pvd	EPO; JPO;	
		sputte\$5 "physical vapor deposition") with	DERWENT	
		(carbon graphite carbonaceous)))) not		
		(battery batteries (electrochemical adj		
		cell\$1))		
40	1794	((((pvd sputte\$5 "physical vapor deposition")	USPAT;	2004/01/29
		near5 (metal metallic "metal alloy" alloy	US-PGPUB;	19:30
		"metal oxide" "metal oxides"))) (((pvd	EPO; JPO;	
		sputte\$5 "physical vapor deposition") with	DERWENT	
		(carbon graphite carbonaceous)))) not (((((pvd		
		sputte\$5 "physical vapor deposition") near5		-
		(metal metallic "metal alloy" alloy "metal		
		oxide" "metal oxides"))) (((pvd sputte\$5		
		"physical vapor deposition") with (carbon		
		graphite carbonaceous)))) not (battery		
		batteries (electrochemical adj cell\$1)))		
41	1852	(((pvd sputte\$5 "physical vapor deposition")	USPAT;	2004/01/29
		near5 (metal metallic "metal alloy" alloy	US-PGPUB;	19:30
		"metal oxide" "metal oxides"))) and (((pvd	EPO; JPO;	
		sputte\$5 "physical vapor deposition") with	DERWENT	
40	404	(carbon graphite carbonaceous)))		0004/04/00
42	134	((((((pvd sputte\$5 "physical vapor deposition")	USPAT;	2004/01/29
		near5 (metal metallic "metal alloy" alloy	US-PGPUB;	19:31
		"metal oxide" "metal oxides"))) (((pvd	EPO; JPO; DERWENT	
		sputte\$5 "physical vapor deposition") with (carbon graphite carbonaceous)))) not ((((pvd	DERWENT	
		sputte\$5 "physical vapor deposition") near5		
		(metal metallic "metal alloy" alloy "metal		
		oxide" "metal oxides"))) (((pvd sputte\$5		
		"physical vapor deposition") with (carbon		
		graphite carbonaceous)))) not (battery		
		batteries (electrochemical adj cell\$1)))) and		
		((((pvd sputte\$5 "physical vapor deposition")		
		near5 (metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides"))) and (((pvd		
		sputte\$5 "physical vapor deposition") with		
		(carbon graphite carbonaceous))))		
43	11	(WO-9918623-\$).did. or (BE-877414-\$ or	EPO;	2004/01/29
		DE-19744028-\$ or EP-1079452-\$ or	DERWENT	19:33
		EP-325567-\$ or EP-50300-\$ or EP-580560-\$ or		
		EP-743092-\$ or EP-982412-\$ or		
		JP-2002306581-\$ or JP-63262491-\$).did.		
44	3	"6387148"	USPAT;	2004/01/29
			US-PGPUB;	19:43
			EPO; JPO;	
			DERWENT	4

45	10	("4110425" "4915898" "5662729"	USPAT	2004/01/29
		"5766792" "5858571" "5900558"		19:42
		"5908487" "5932034" "5962165"		
		"6063524").PN.		
46	1524	hydrogen adj absorbing adj alloy	USPAT;	2004/01/29
			US-PGPUB;	19:45
			EPO; JPO;	
			DERWENT	
17	7	(hydrogen adj absorbing adj alloy) and	USPAT;	2004/01/29
		((carbon graphite carbonaceous) near2 (core	US-PGPUB;	19:45
		substrate carrier support base))	EPO; JPO;	
			DERWENT	
48	21219	hydrogen near2 (stor\$4 absorb\$5)	USPAT;	2004/01/29
			US-PGPUB;	19:47
			EPO; JPO;	
			DERWENT	
49	31964	((carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29
		substrate carrier support base)) not	US-PGPUB;	19:47
		(hydrogen near2 (stor\$4 absorb\$5))	EPO; JPO;	
			DERWENT	
50	21084	(hydrogen near2 (stor\$4 absorb\$5)) not "498"	USPAT;	2004/01/29
	•		US-PGPUB;	19:47
			EPO; JPO;	
			DERWENT	
51	21219	(hydrogen near2 (stor\$4 absorb\$5)) not	USPAT;	2004/01/29
		(((carbon graphite carbonaceous) near2 (core	US-PGPUB;	19:48
		substrate carrier support base)) not	EPO; JPO;	*
		(hydrogen near2 (stor\$4 absorb\$5)))	DERWENT	
52	- 545	((carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29
		substrate carrier support base)) not (((carbon	US-PGPUB;	19:48
		graphite carbonaceous) near2 (core substrate	EPO; JPO;	
		carrier support base)) not (hydrogen near2	DERWENT	
		(stor\$4 absorb\$5)))		

53	487	(((carbon graphite carbonaceous) near2 (core	USPAT;	2004/01/29
,		substrate carrier support base)) not (((carbon	US-PGPUB;	19:49
		graphite carbonaceous) near2 (core substrate	EPO; JPO;	
		carrier support base)) not (hydrogen near2	DERWENT	
		(stor\$4 absorb\$5)))) not ((((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		(particles granules grains))) (((carbon		
		graphite carbonaceous) near2 (core substrate		
		carrier support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4)))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		(particles granules grains))) ((((carbon		
		graphite carbonaceous) near2 (core substrate		
		carrier support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4)))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		•		
		(particles granules grains))) not (pt platinum		
		pd palladium)) ((((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4)))		
		and ((pvd sputte\$5 "physical vapor		
		deposition") near5 (metal metallic "metal		
		alloy" alloy "metal oxide" "metal oxides")))		
		((WO-9918623-\$).did. or (BE-877414-\$ or		
		DE-19744028-\$ or EP-1079452-\$ or		
		EP-325567-\$ or EP-50300-\$ or EP-580560-\$ or		
		EP-743092-\$ or EP-982412-\$ or		
		JP-2002306581-\$ or JP-63262491-\$).did.)		
		((WO-9918623-\$).did. or (BE-877414-\$ or		
		DE-19744028-\$ or EP-1079452-\$ or		
		EP-325567-\$ or EP-50300-\$ or EP-580560-\$ or		
		EP-743092-\$ or EP-982412-\$ or		
		JP-2002306581-\$ or JP-63262491-\$).did.)		
		"6387148" (("4110425" "4915898"		
		"5662729" "5766792" "5858571"		
		"5900558" "5908487" "5932034"		
		"5962165" "6063524").PN.) ((hydrogen adj		
		absorbing adj alloy) and ((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base))))		

54	26	(((carbon graphite carbonaceous) near2 (core	EPO; JPO;	2004/01/29
].		substrate carrier support base)) not (((carbon	DERWENT	19:49
		graphite carbonaceous) near2 (core substrate	DERWERT	13.45
		carrier support base)) not (hydrogen near2		
		(stor\$4 absorb\$5)))) not ((((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		(particles granules grains))) ((((carbon		
		graphite carbonaceous) near2 (core substrate		
		carrier support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4)))		
		and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		-		*
		(particles granules grains))) ((((carbon		
		graphite carbonaceous) near2 (core substrate		
		carrier support base)) not (((carbon graphite carbonaceous) near2 (core substrate carrier		
		•		
		support base)) not (hydrogen near2 stor\$4))) and ((metal metallic "metal alloy" alloy		
		"metal oxide" "metal oxides") near2		
		(particles granules grains))) not (pt platinum		
		pd palladium)) ((((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base)) not (hydrogen near2 stor\$4)))		
		and ((pvd sputte\$5 "physical vapor		
		deposition") near5 (metal metallic "metal alloy" alloy "metal oxide" "metal oxides")))		
		((WO-9918623-\$).did. or (BE-877414-\$ or		
		DE-19744028-\$ or EP-1079452-\$ or		
		EP-325567-\$ or EP-50300-\$ or EP-580560-\$ or		
		EP-743092-\$ or EP-982412-\$ or		
		JP-2002306581-\$ or JP-63262491-\$).did.)		
		((WO-9918623-\$).did. or (BE-877414-\$ or		
		DE-19744028-\$ or EP-1079452-\$ or		
		EP-325567-\$ or EP-50300-\$ or EP-580560-\$ or		
		EP-743092-\$ or EP-982412-\$ or		1
		JP-2002306581-\$ or JP-63262491-\$).did.)		
i		"6387148" (("4110425" "4915898" "5662720" "5766702" "5858574"		
		"5662729" "5766792" "5858571"		
		"5900558" "5908487" "5932034"		
		"5962165" "6063524").PN.) ((hydrogen adj		
		absorbing adj alloy) and ((carbon graphite		
		carbonaceous) near2 (core substrate carrier		
		support base))))	10	

55	103	((((carbon graphite carbonaceous) near2	USPAT;	2004/01/29
•-		(core substrate carrier support base)) not	US-PGPUB;	19:49
		(((carbon graphite carbonaceous) near2 (core	EPO; JPO;	
		substrate carrier support base)) not	DERWENT	
		(hydrogen near2 (stor\$4 absorb\$5)))) not		
		(((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4)) and ((metal metallic		
		"metal alloy" alloy "metal oxide" "metal		
		oxides") near2 (particles granules grains)))		
		((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) ((((carbon graphite carbonaceous)		
		near2 (core substrate carrier support base))		
		not (((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides") near2 (particles granules		
		grains))) not (pt platinum pd palladium))		
		((((carbon graphite carbonaceous) near2		
		(core substrate carrier support base)) not		
		(((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base)) not		
		(hydrogen near2 stor\$4))) and ((pvd sputte\$5		
		"physical vapor deposition") near5 (metal		
		metallic "metal alloy" alloy "metal oxide"		
		"metal oxides"))) ((WO-9918623-\$).did. or		
		(BE-877414-\$ or DE-19744028-\$ or		
		EP-1079452-\$ or EP-325567-\$ or EP-50300-\$		
		or EP-580560-\$ or EP-743092-\$ or		
		EP-982412-\$ or JP-2002306581-\$ or		
		JP-63262491-\$).did.) ((WO-9918623-\$).did. or		
		(BE-877414-\$ or DE-19744028-\$ or		
		EP-1079452-\$ or EP-325567-\$ or EP-50300-\$	- ()	
		or EP-580560-\$ or EP-743092-\$ or		
		EP-982412-\$ or JP-2002306581-\$ or		
		JP-63262491-\$).did.) "6387148" (("4110425"		
		"4915898" "5662729" "5766792"		
		"5858571" "5900558" "5908487"		
		"5932034" "5962165" "6063524").PN.)		
		((hydrogen adj absorbing adj alloy) and		
		((carbon graphite carbonaceous) near2 (core		
		substrate carrier support base))))) not (pt		
		platinum pd palladium)		
		piatinum po paliadium)		L